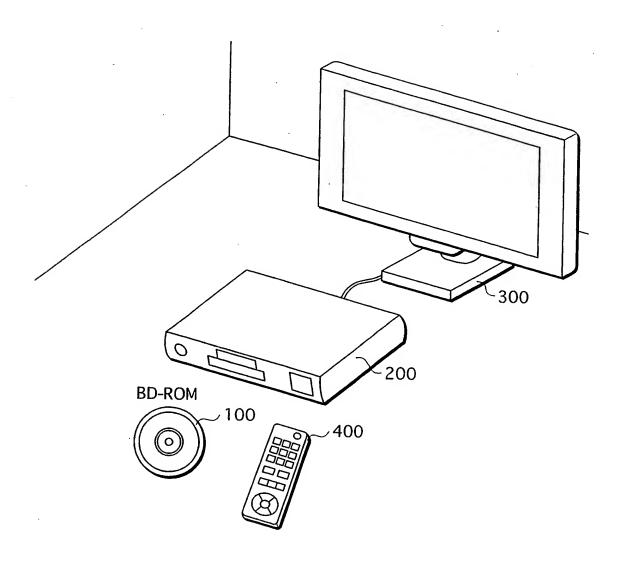
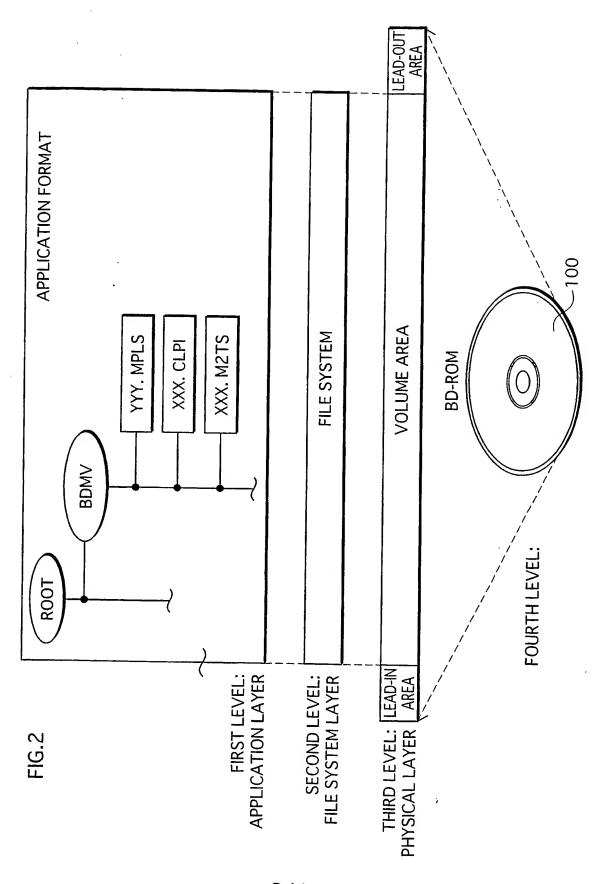
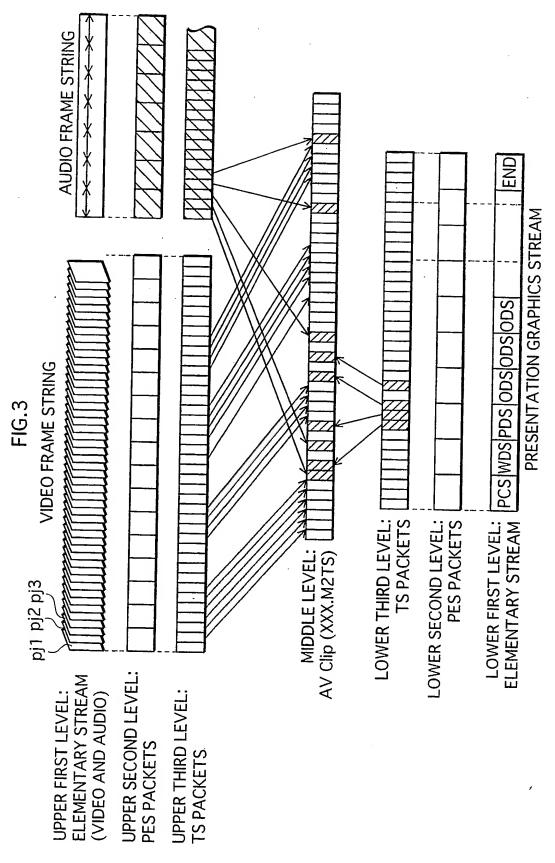
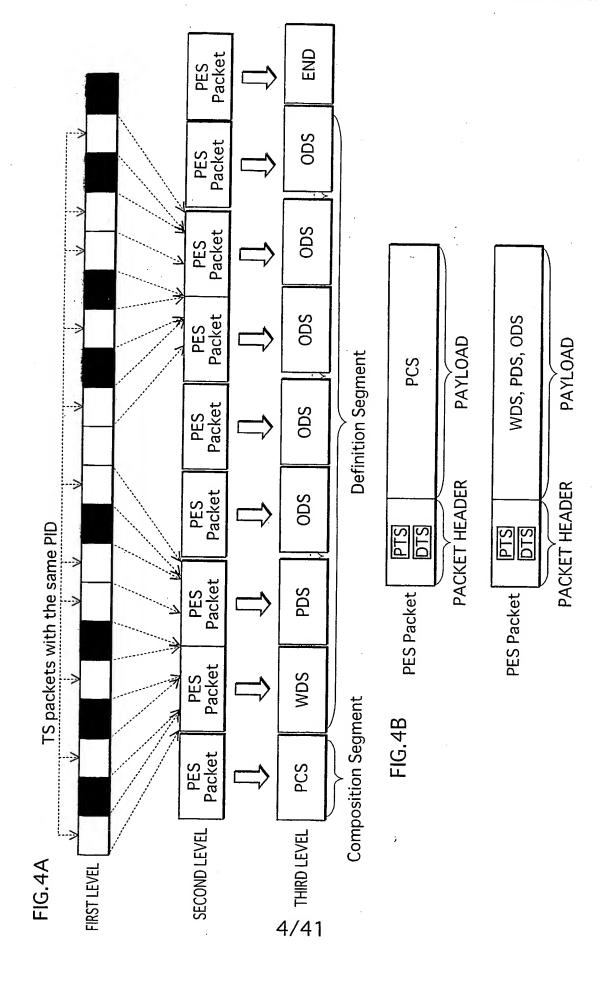
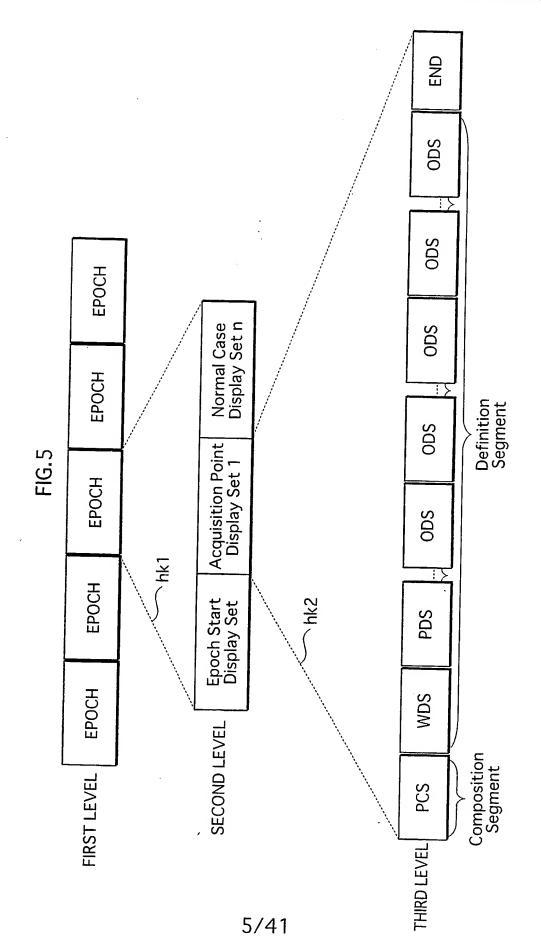
FIG.1

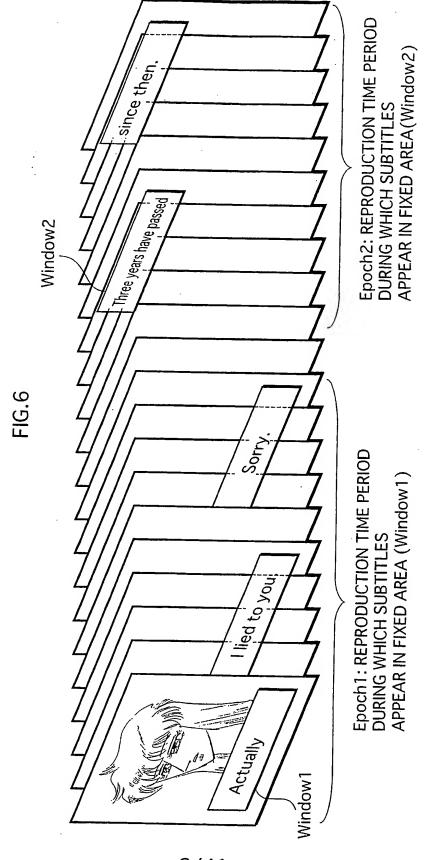










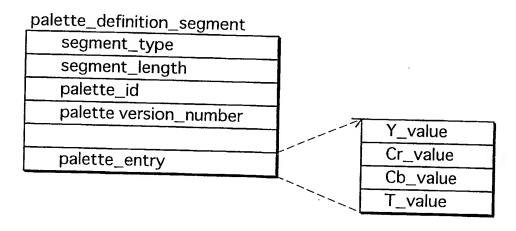


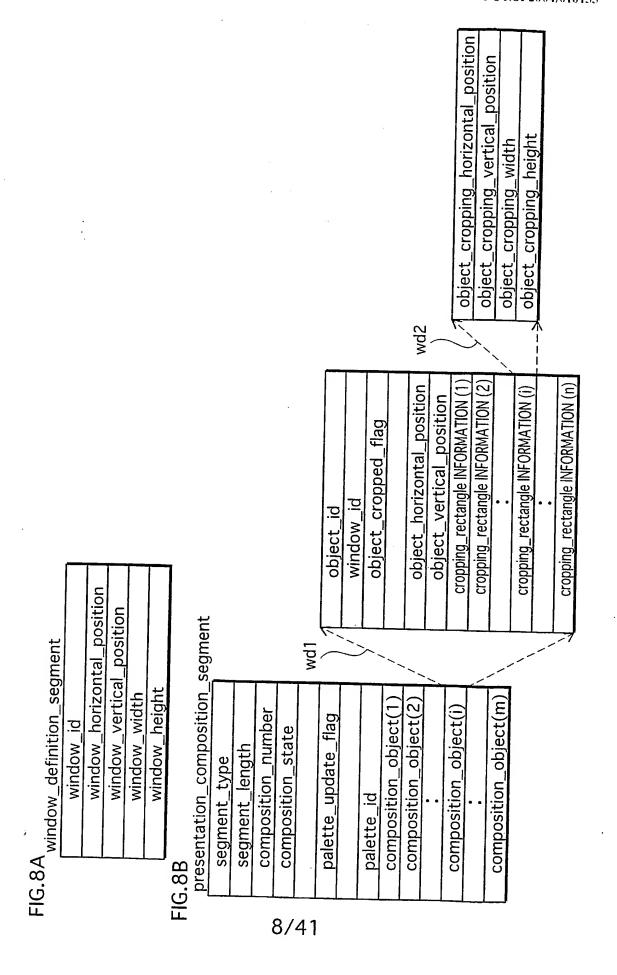
6/41

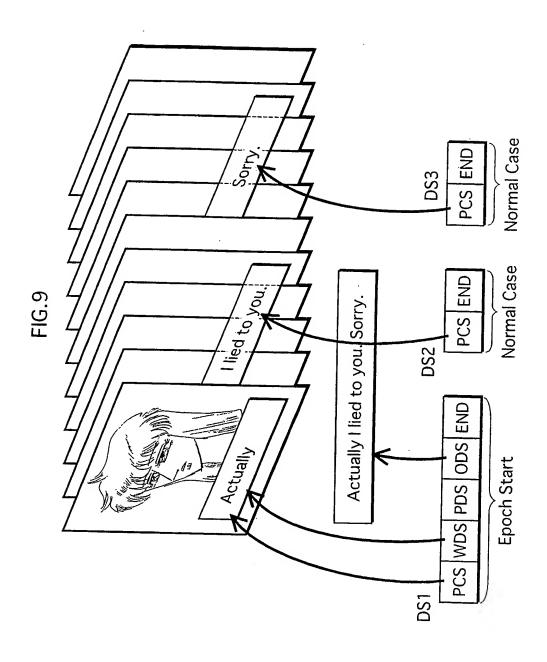
FIG.7A

object_definition_segment	
segment_type]
segment_length	1
object_id	
object_version_number	l
last_in_sequence_flag	i ·
object_data_fragment	COMPRESSED GRAPHICS OBJECT

FIG.7B







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FIG. 10

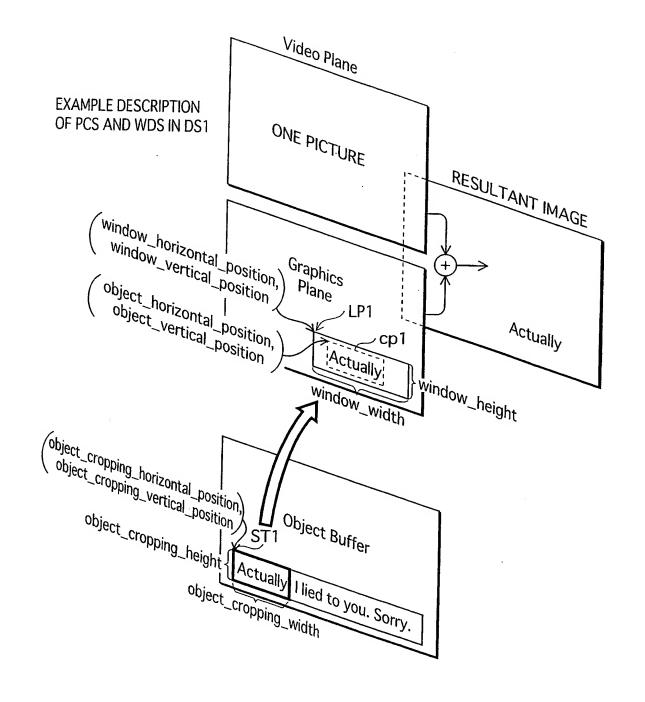
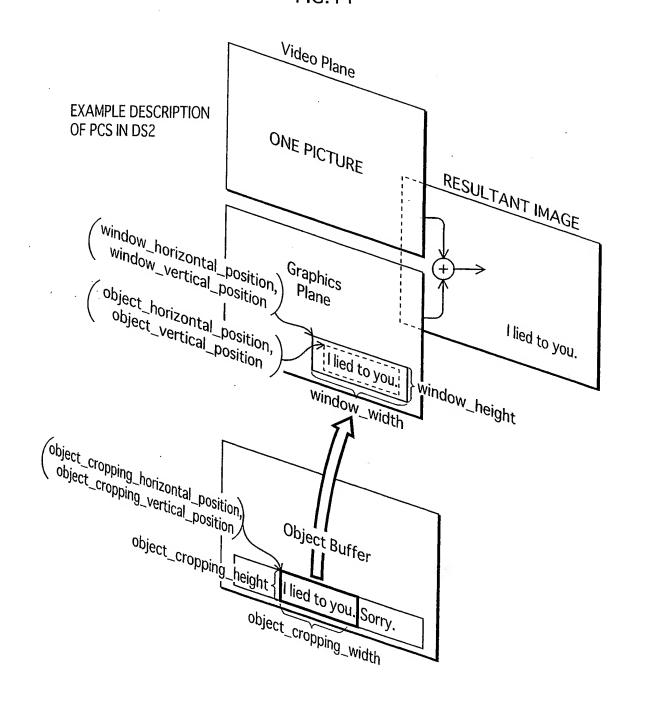
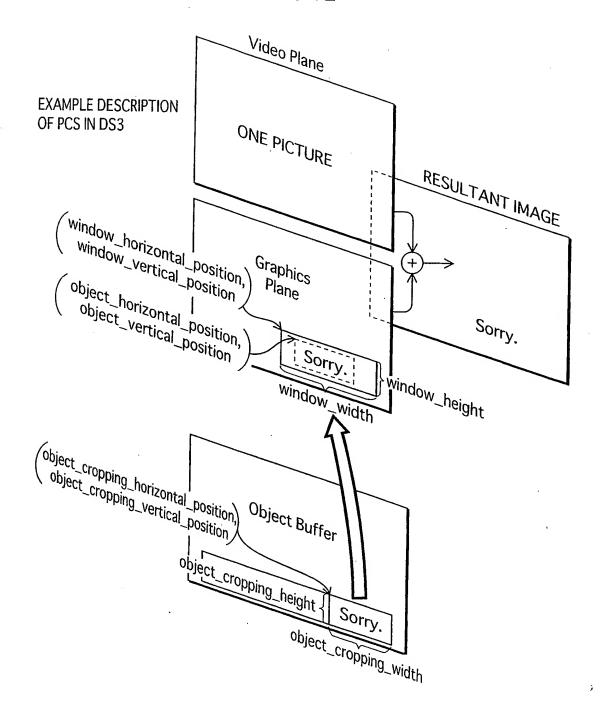


FIG. 11

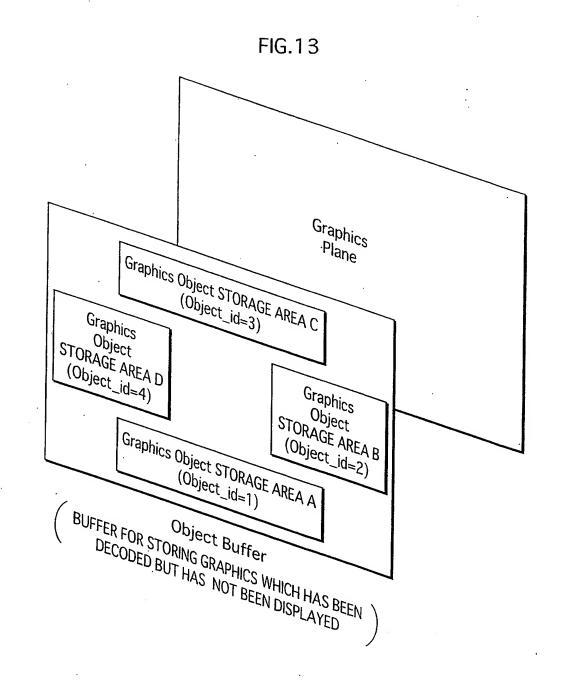


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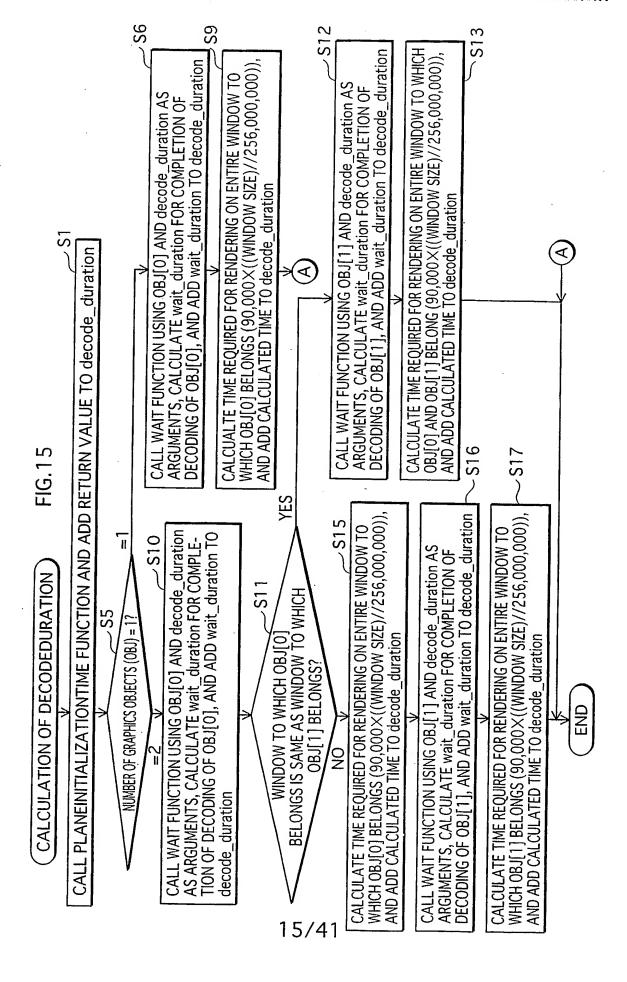
FIG.12

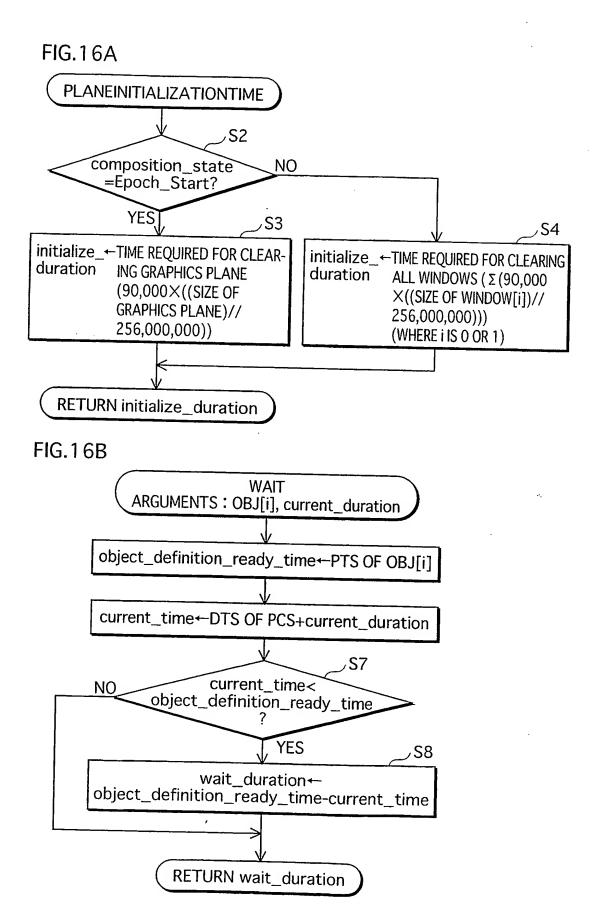


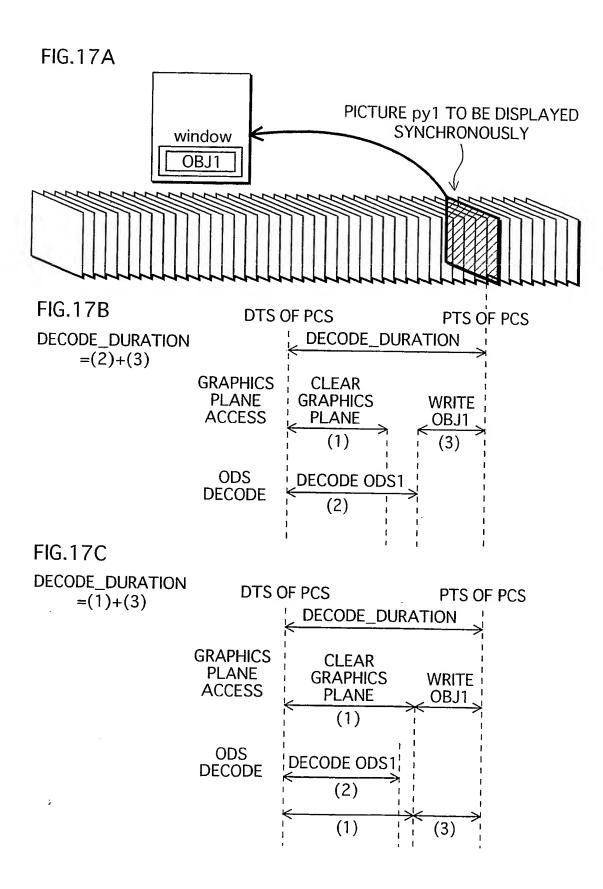
WO 2005/006747 PCT/JP2004/010155

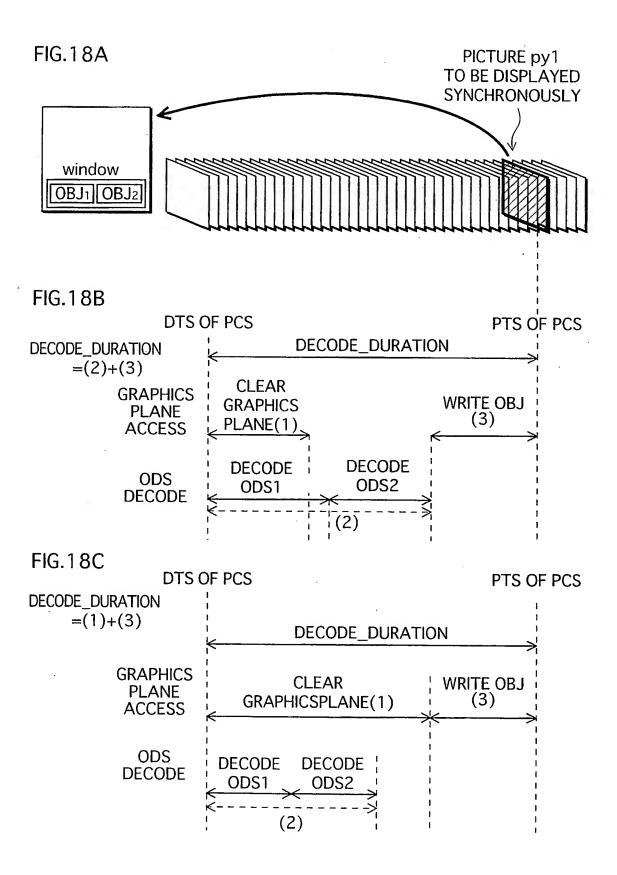


```
FIG. 14<sub>PTS</sub>(DSn[PCS)])>=DTS(DSn[PCS])+DECODEDURATION(DSn)
Where:
       DECODEDURATION( DSn ) is calculated as follows:
   decode duration = 0:
   decode_duration += PLANEINITIALIZATIONTIME( DSn );
   if(DSn. PCS. num of objects == 2)
       decode_duration += WAIT( DSn, DSn. PCS. OBJ[0], decode_duration );
       if( DSn. PCS. OBJ[0]. window_id == DSn. PCS. OBJ[1]. window_id )
               decode_duration += WAIT( DSn, DSn. PCS. OBJ[1], decode_duration );
               decode_duration += 90000*(SIZE(DSn. PCS. OBJ[0]. window_id)//256*10^6);
       else
               decode_duration += 90000*( SIZE( DSn. PCS. OBJ[0]. window_id )//256*106):
               decode_duration += WAIT( DSn, DSn. PCS. OBJ[1], decode_duration);
               decode_duration += 90000*( SIZE( DSn. PCS. OBJ[1]. window_id )//256*10<sup>6</sup>);
   else if( DSn. PCS. num_of_objects == 1 )
      decode_duration += WAIT( DSn, DSn. PCS. OBJ[0], decode_duration );
      decode_duration += 90000*( SIZE( DSn. PCS. OBJ[0]. window_id )//256*10<sup>6</sup>);
   return decode_duration;
      PLANEINITIALIZATIONTIME (DSn ) is calculated as follows:
   initialize duration=0:
  if( DSn. PCS. composition_state= = EPOCH_START )
     initialize_duration = 90000*( 8*video_width*video_height//256*106);
  else
      for (i=0; i < WDS. num_windows: i++)
              if(EMPTY(DSn.WDS.WIN[i],DSn))
                    initialize_duration += 90000*(SIZE(DSn. WDS. WIN[i])//256*10^6);
  return initialize duration:
      WAIT( DSn, OBJ, current_duration ) is calculated as follows:
  wait duration = 0:
  if(EXISTS(OBJ. object_id, DSn))
      object_definition_ready_time = PTS( GET( OBJ. object_id. DSn ) );
      current_time = DTS( DSn. PCS )+current_duration;
      if( current_time < object_definition_ready_time )
             wait_duration += object_definition_ready_time - current_time );
  return wait duration:
                                  14/41
```









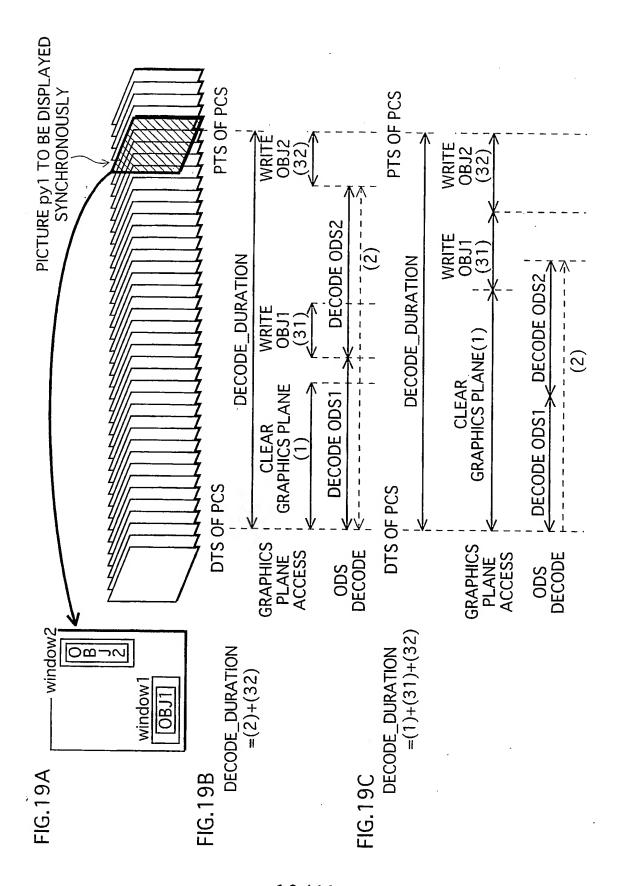
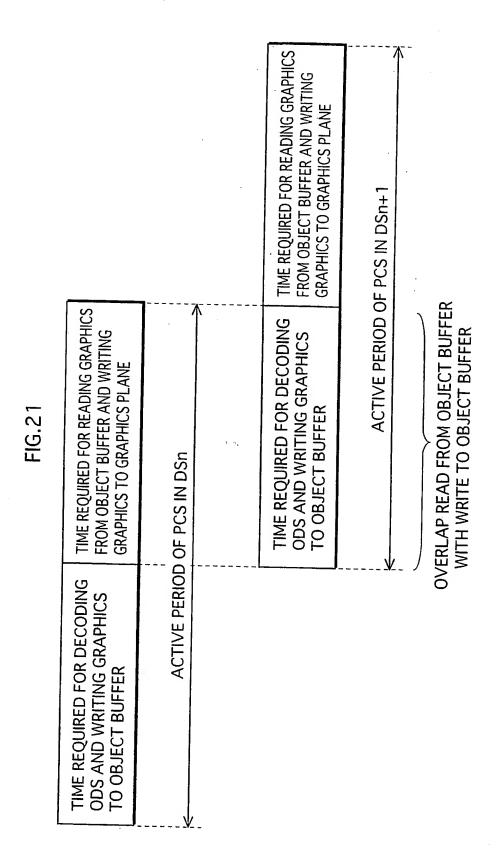
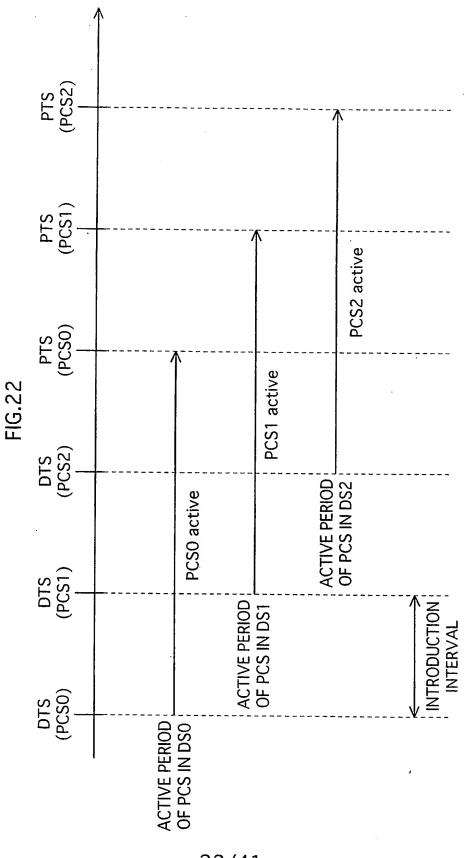


FIG.20

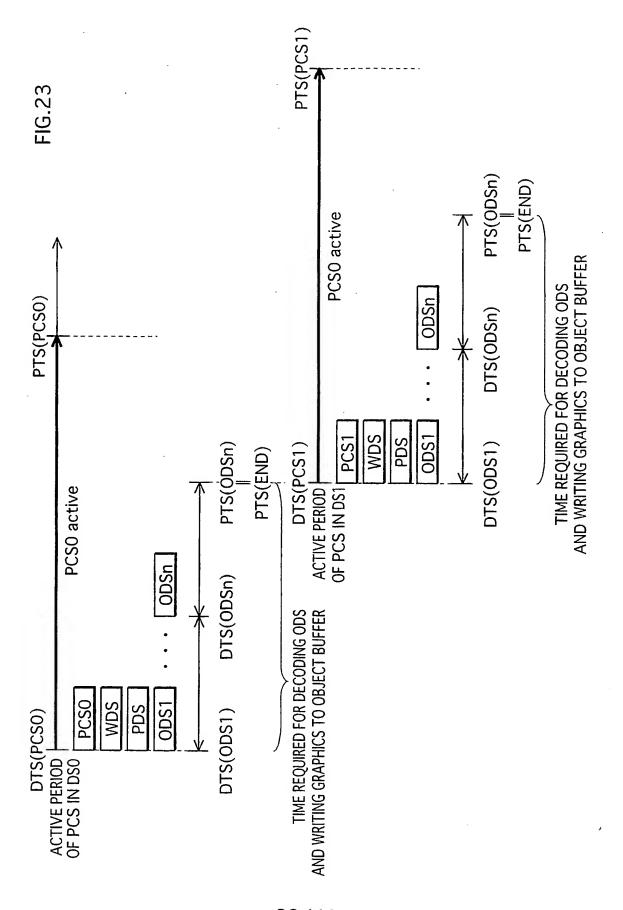
TIME REQUIRED FOR DECODING ODS AND WRITING GRAPHICS TO OBJECT BUFFER	TIME REQUIRED FOR READING GRAPHICS FROM OBJECT BUFFER AND WRITING GRAPHICS TO GRAPHICS PLANE
ACTIVE PERI	ACTIVE PERIOD OF PCS IN DS
	ī

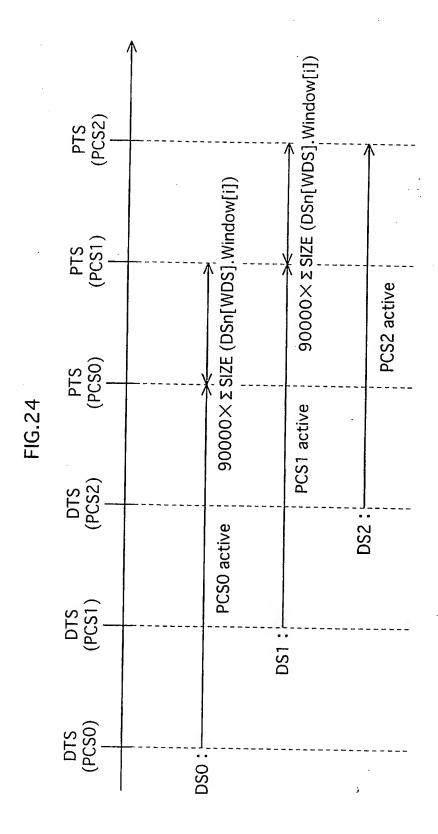


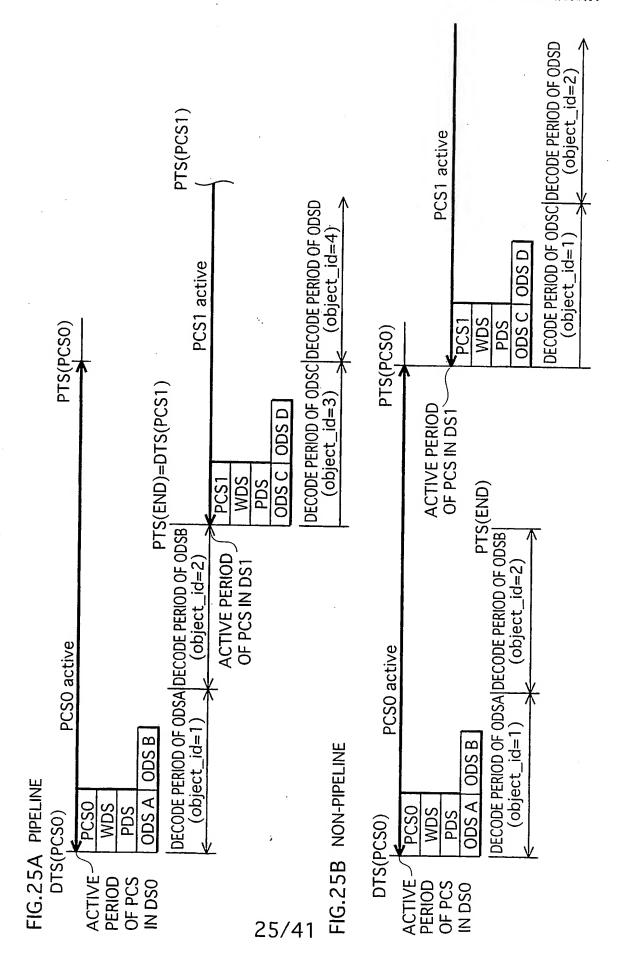
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22/41







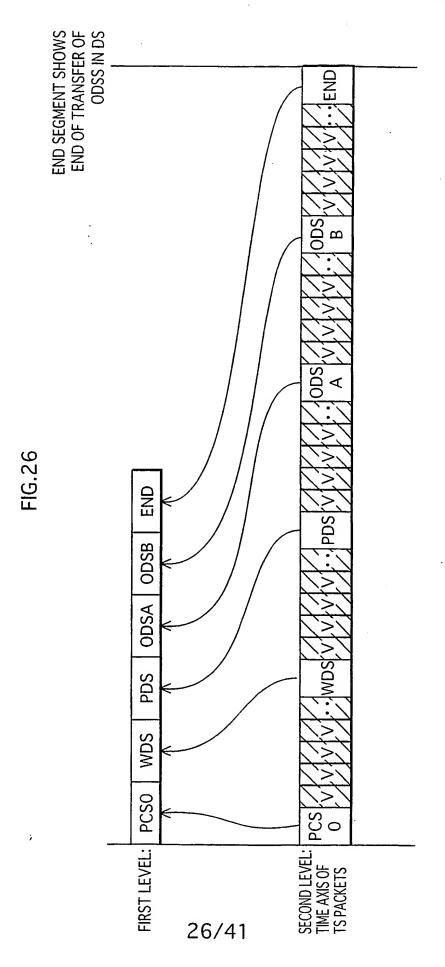


FIG.27A SCREEN COMPOSITION

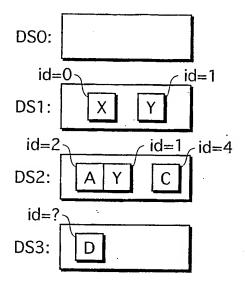


FIG. 27B ACTIVE PERIOD OVERLAPPING AND ODS TRANSFER

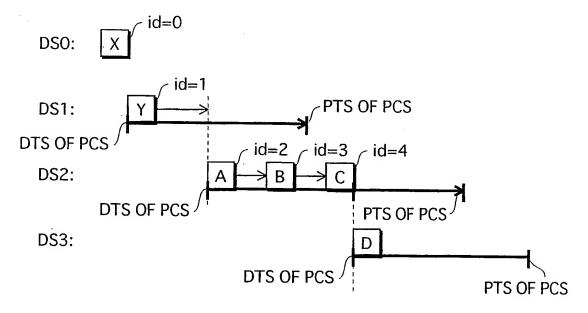
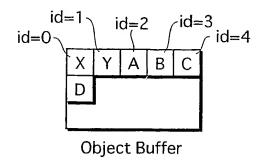
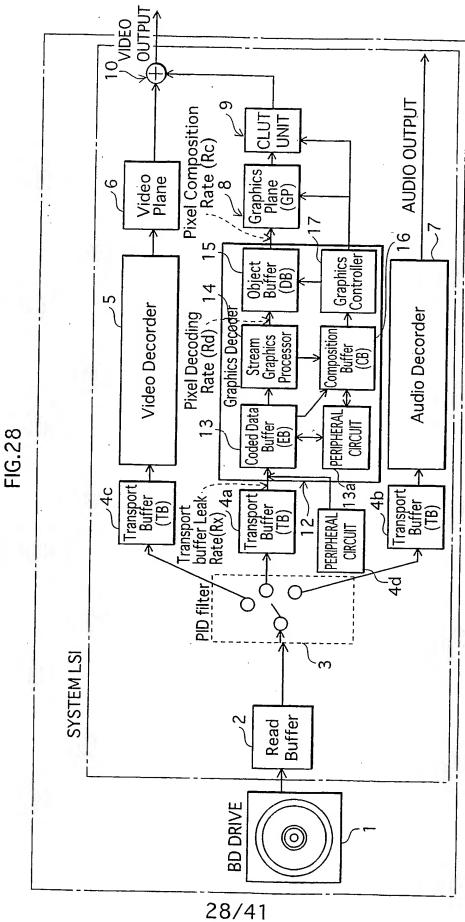
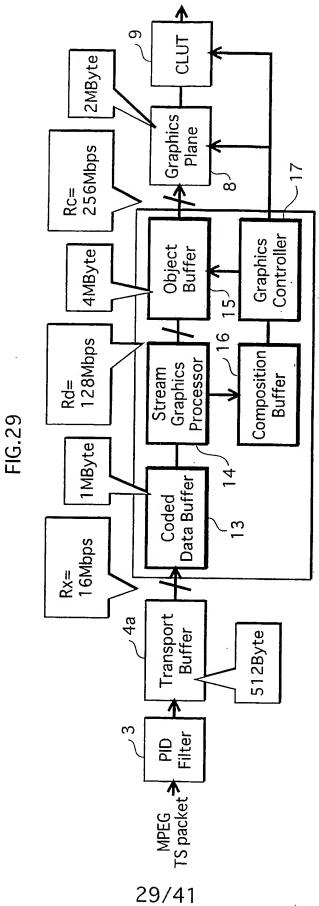
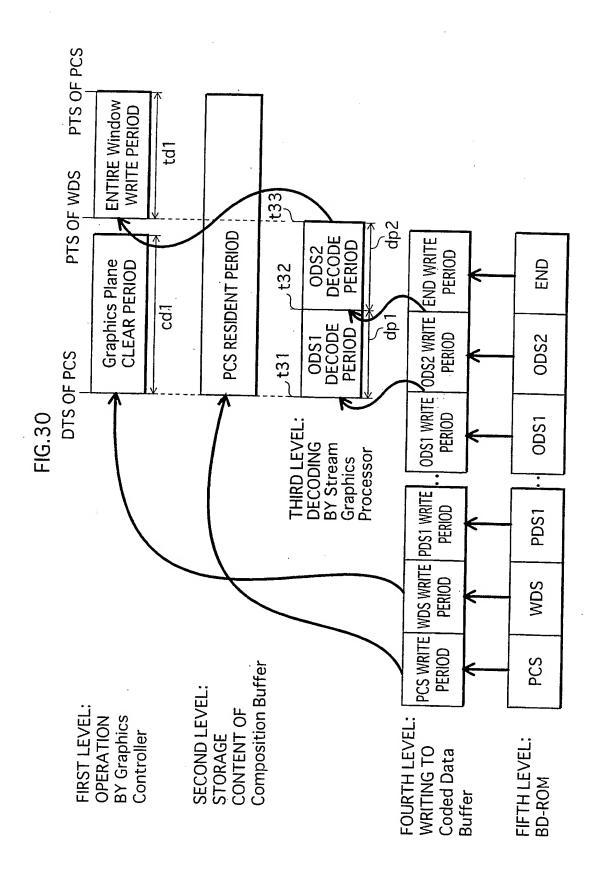


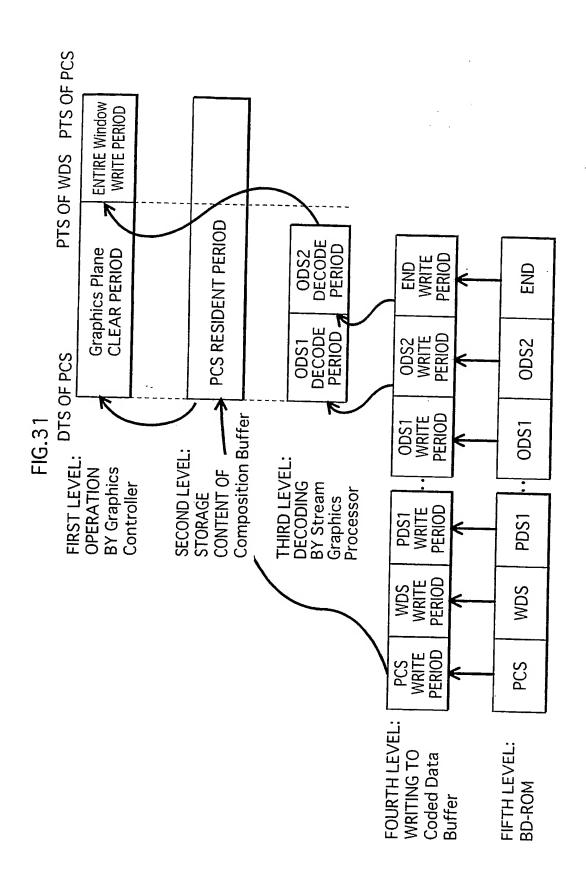
FIG.27C ARRANGEMENT IN OBJECT BUFFER

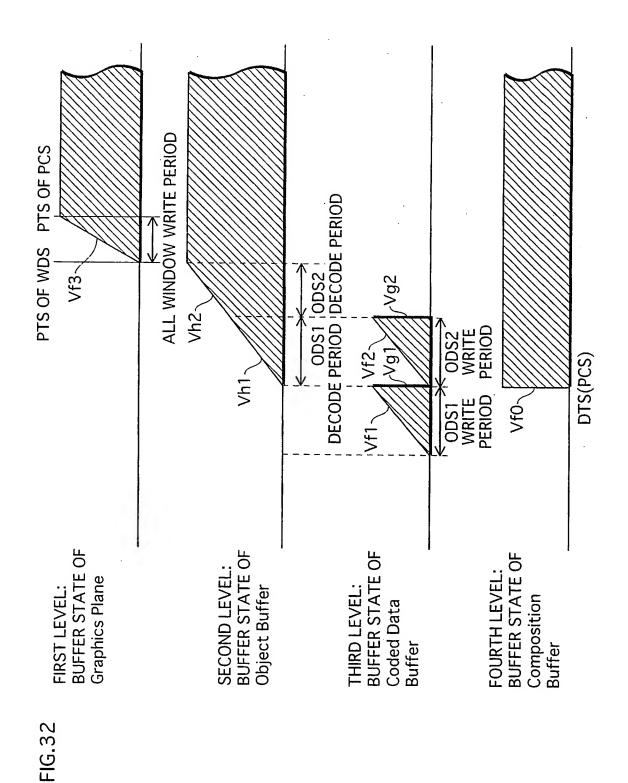


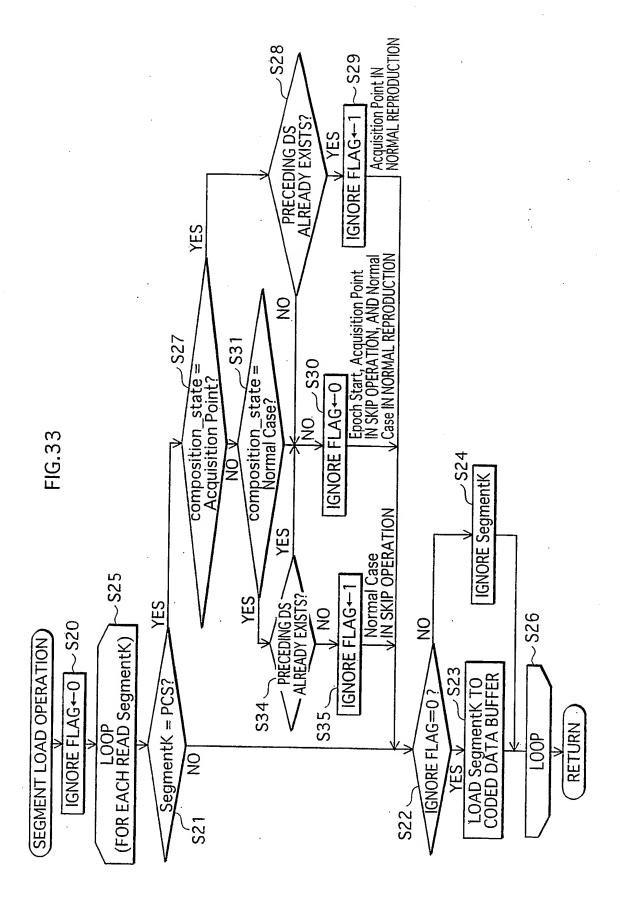


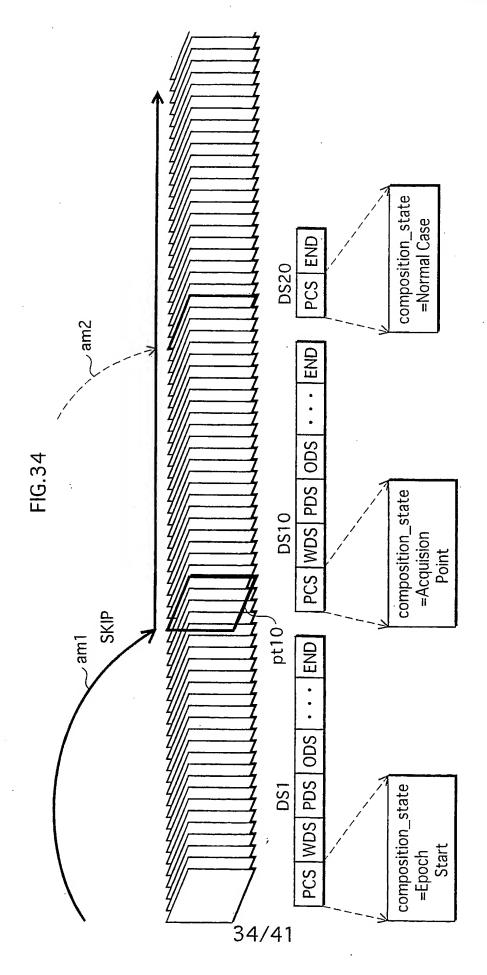


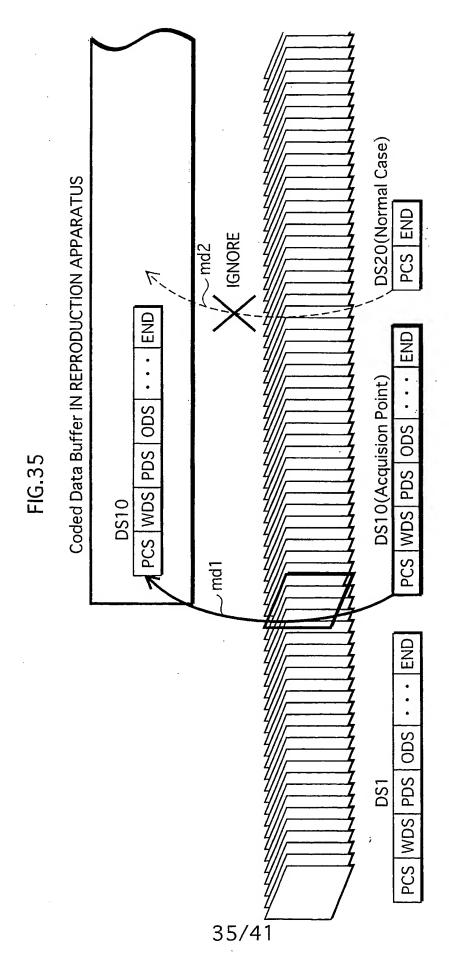












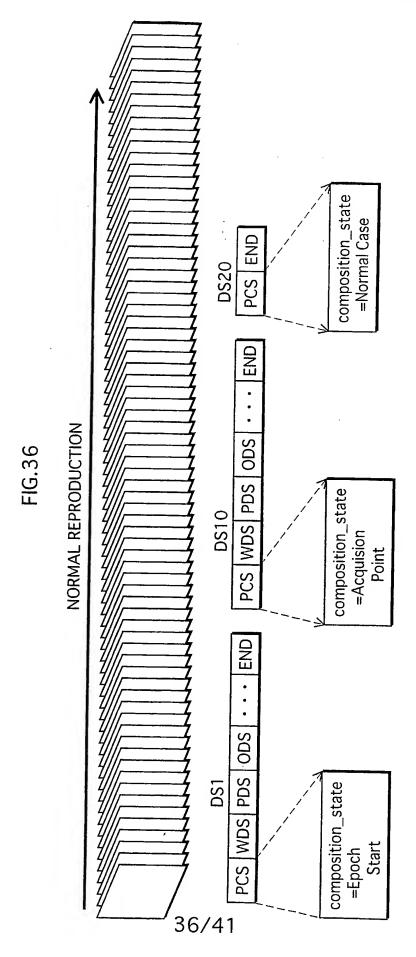
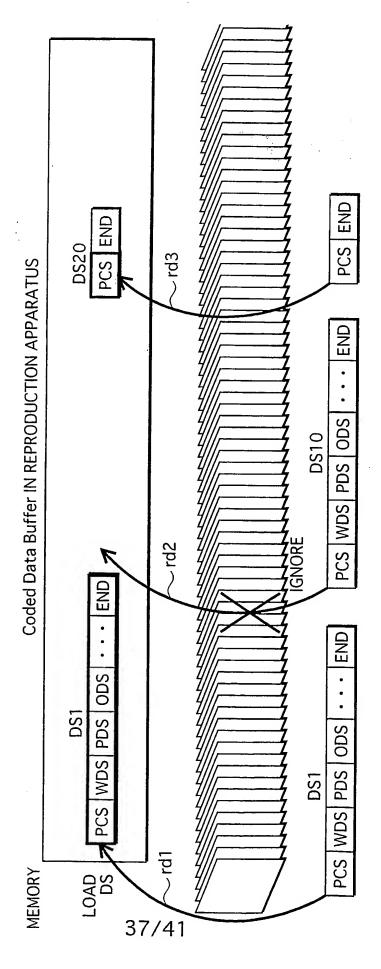
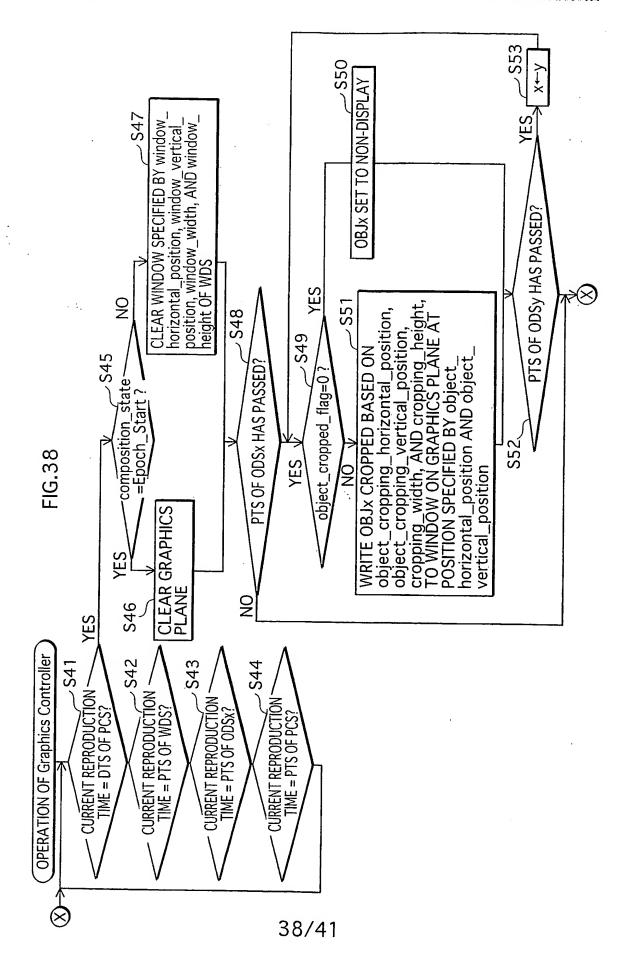


FIG.37





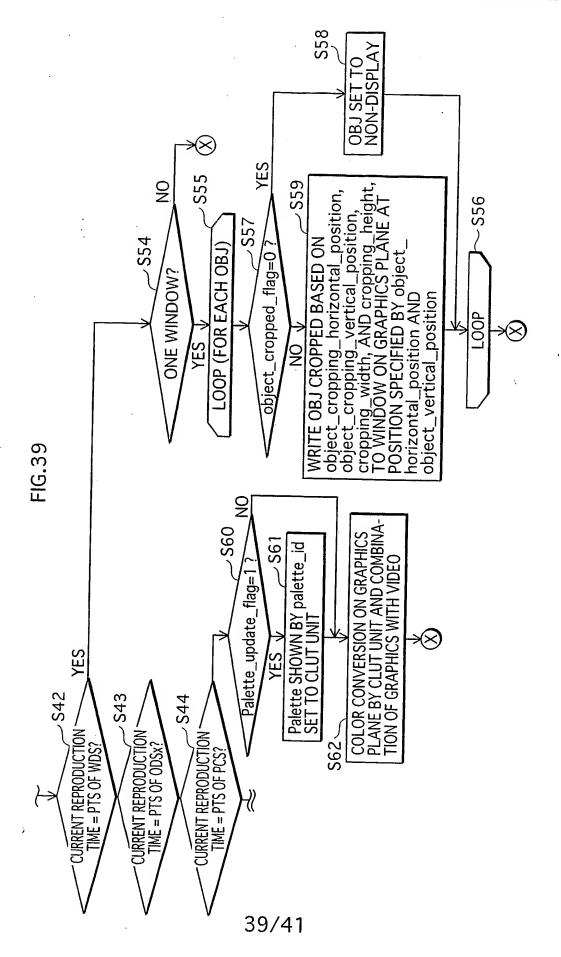
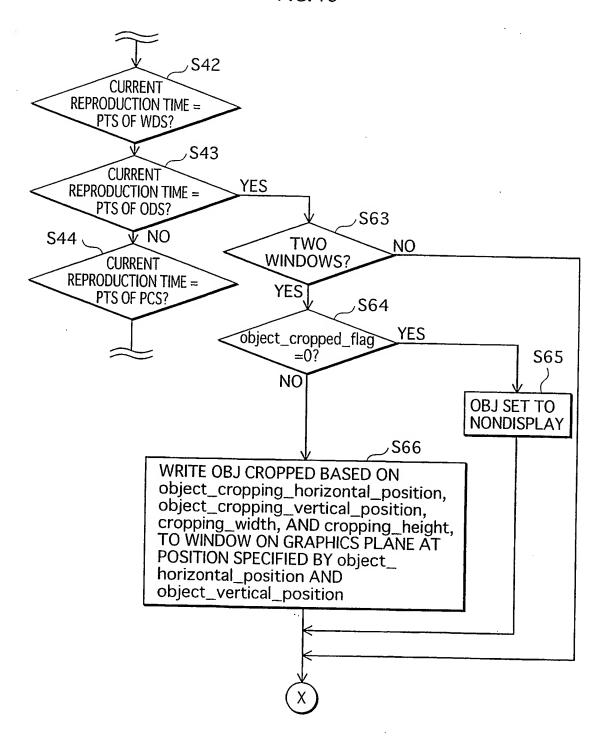
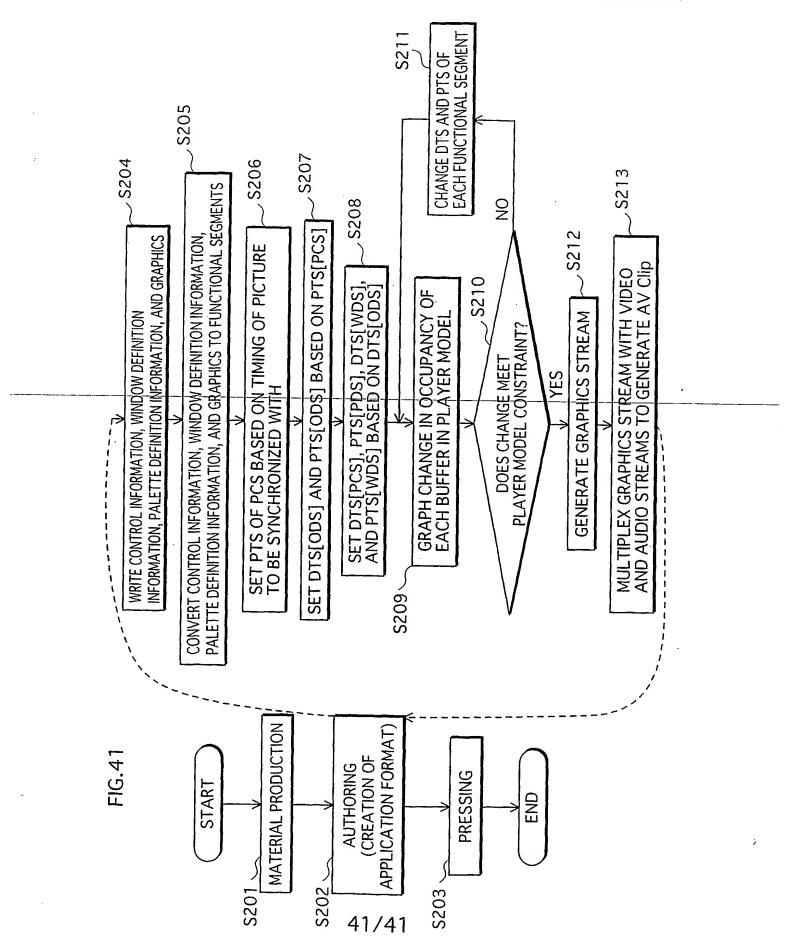


FIG.40





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